

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061423\
 Data File : VD076417.D
 Acq On : 14 Jun 2023 14:34
 Operator : KP/SY
 Sample : 03139-02
 Misc : 5.01G/5.04ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Quant Time: Jun 15 05:32:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 13 02:01:34 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.869	168	39121	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	79659	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	88555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	46713	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	43280	95.782	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	191.560%#
35) Dibromofluoromethane	7.805	113	43183	83.876	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	167.760%#
50) Toluene-d8	10.269	98	89172	45.704	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.400%
62) 4-Bromofluorobenzene	12.575	95	47577	71.082	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	142.160%

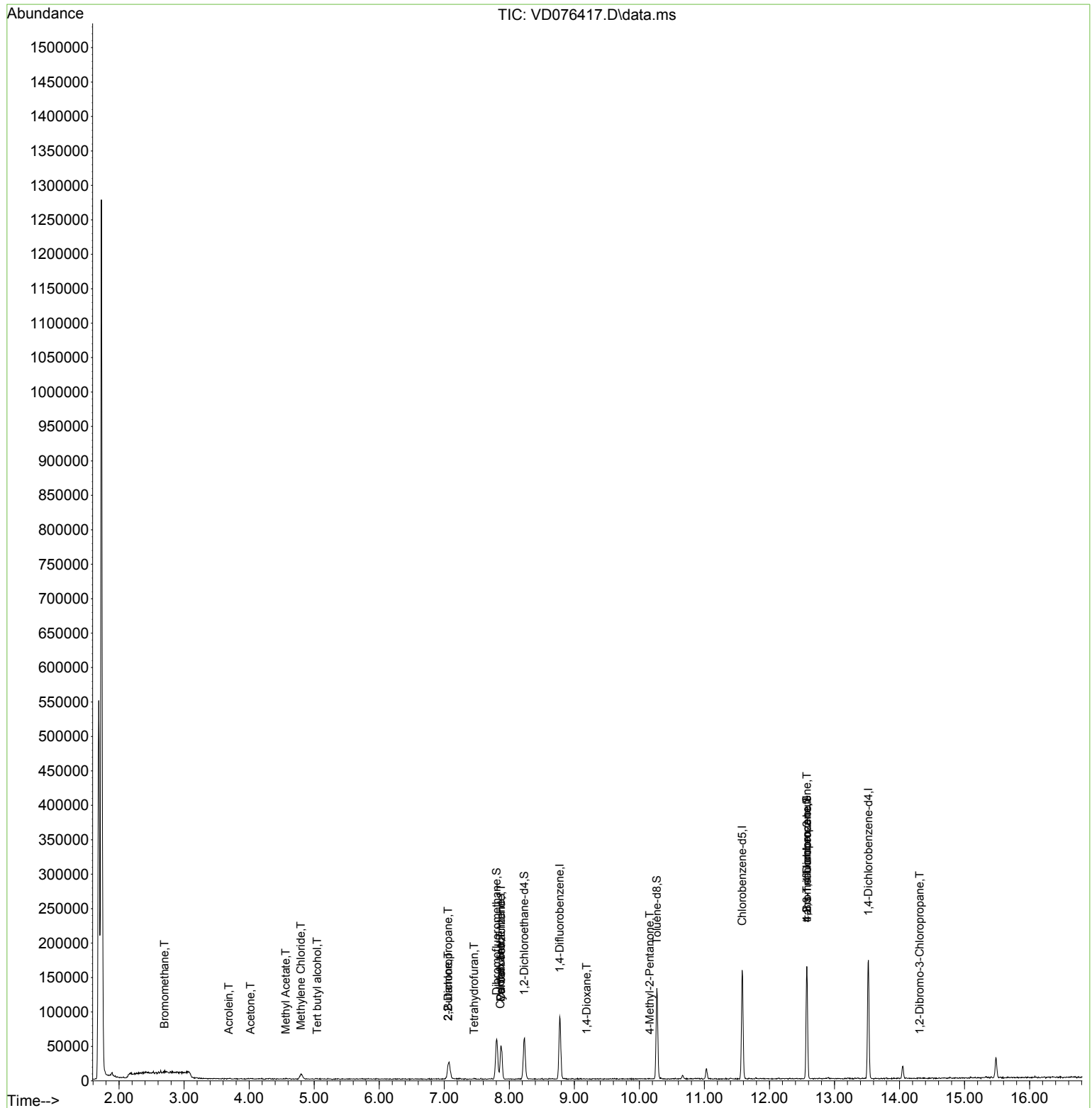
Target Compounds						Qvalue
5) Bromomethane	2.699	94	1063	3.204	ug/l	# 52
11) Tert butyl alcohol	5.046	59	60	1.588	ug/l	# 73
13) Acrolein	3.687	56	59	1.362	ug/l	# 47
16) Acetone	4.023	43	724	7.289	ug/l	# 32
18) Methyl Acetate	4.564	43	883	1.950	ug/l	# 42
20) Methylene Chloride	4.793	84	5226	4.595	ug/l	# 88
25) 2-Butanone	7.058	43	1996	12.847	ug/l	# 37
26) 2,2-Dichloropropane	7.058	77	890	1.143	ug/l	# 49
28) Bromochloromethane	7.575	49	59	Below Cal	#	1
29) Tetrahydrofuran	7.458	42	378	3.814	ug/l	# 23
31) Cyclohexane	7.864	56	790	1.093	ug/l	# 14
38) Carbon Tetrachloride	7.875	117	3618	5.186	ug/l	# 11
49) 1,4-Dioxane	9.187	88	59	15.519	ug/l	# 33
51) 4-Methyl-2-Pentanone	10.157	43	458	1.113	ug/l	# 66
76) 1,2,3-Trichloropropane	12.575	75	24798	56.784	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	24798	101.668	ug/l	# 17
92) 1,2-Dibromo-3-Chloropr...	14.310	75	125	1.091	ug/l	# 1

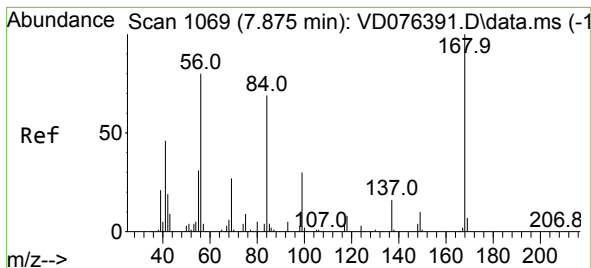
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061423\
Data File : VD076417.D
Acq On : 14 Jun 2023 14:34
Operator : KP/SY
Sample : 03139-02
Misc : 5.01G/5.04ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VOC

Quant Time: Jun 15 05:32:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 13 02:01:34 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076417.D

Acq: 14 Jun 2023 14:34

Instrument :

MSVOA_D

ClientSampleId :

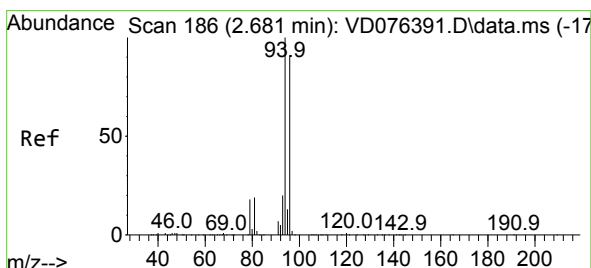
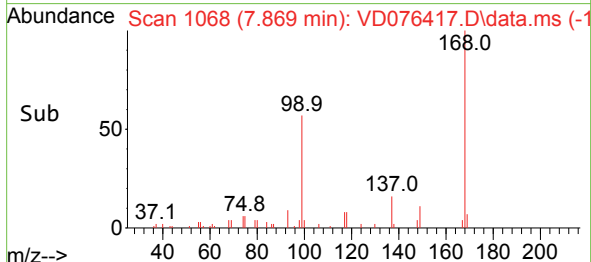
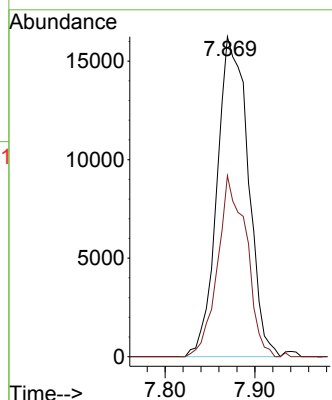
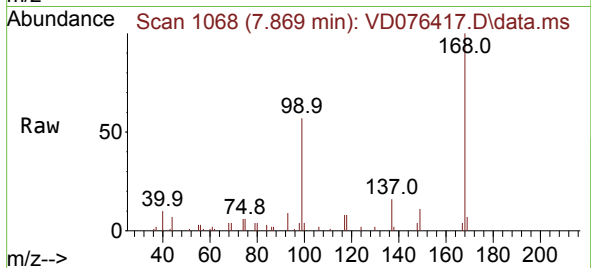
VOC

Tgt Ion:168 Resp: 39121

Ion Ratio Lower Upper

168 100

99 56.6 36.7 55.1#



#5

Bromomethane

Concen: 3.204 ug/l

RT: 2.699 min Scan# 189

Delta R.T. 0.018 min

Lab File: VD076417.D

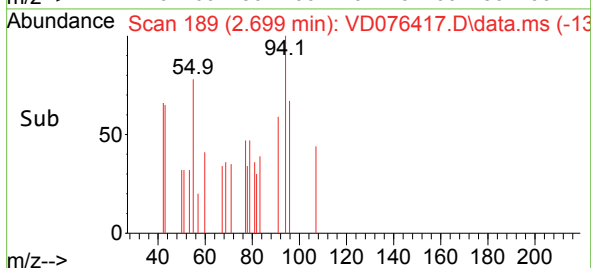
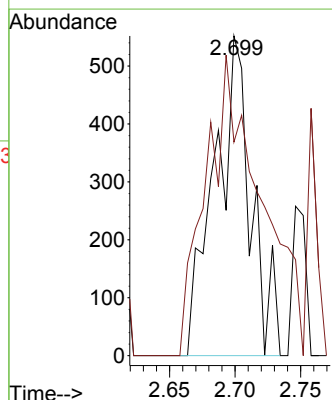
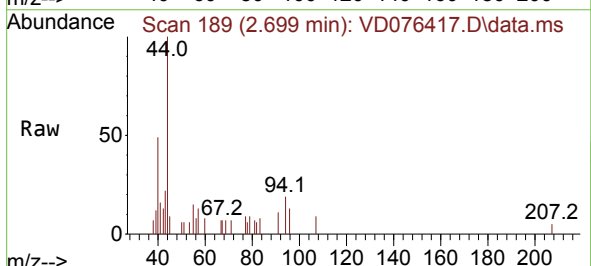
Acq: 14 Jun 2023 14:34

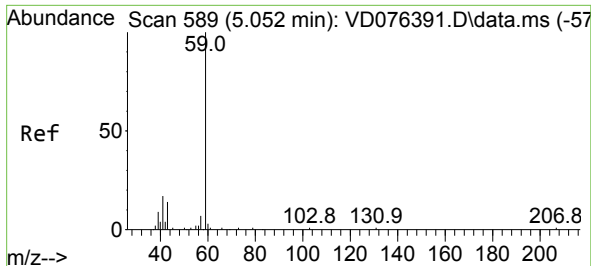
Tgt Ion: 94 Resp: 1063

Ion Ratio Lower Upper

94 100

96 141.5 75.8 113.8#





#11

Tert butyl alcohol

Concen: 1.588 ug/l

RT: 5.046 min Scan# 51

Delta R.T. -0.006 min

Lab File: VD076417.D

Acq: 14 Jun 2023 14:34

Instrument :

MSVOA_D

ClientSampleId :

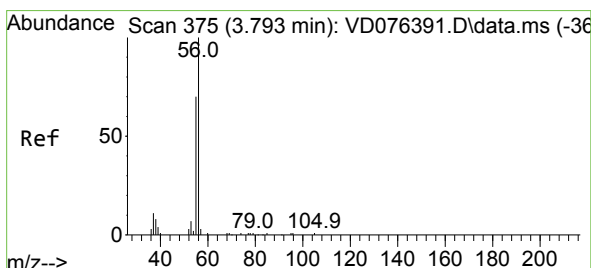
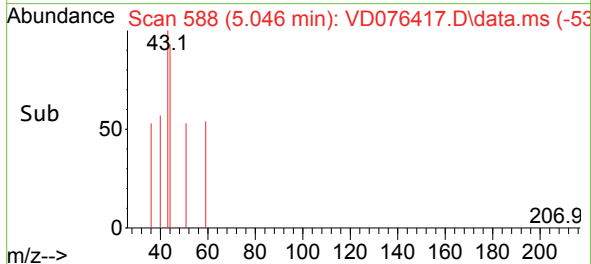
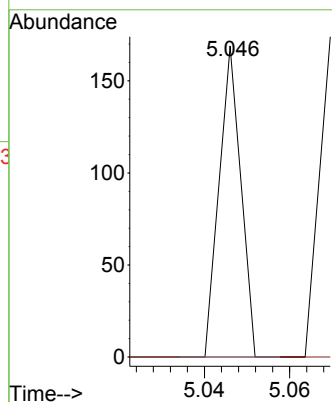
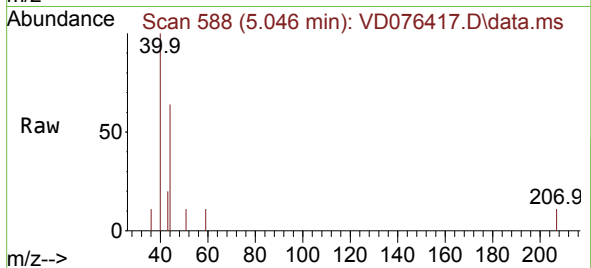
VOC

Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#13

Acrolein

Concen: 1.362 ug/l

RT: 3.687 min Scan# 357

Delta R.T. -0.106 min

Lab File: VD076417.D

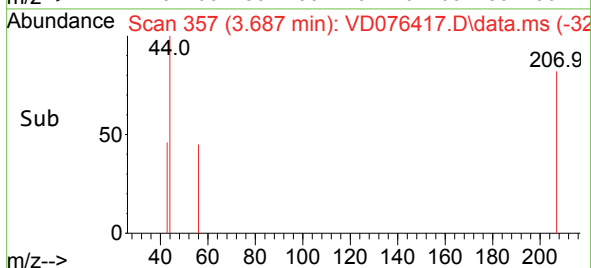
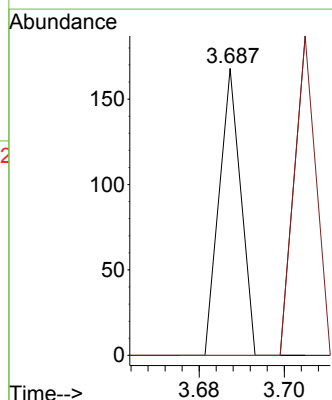
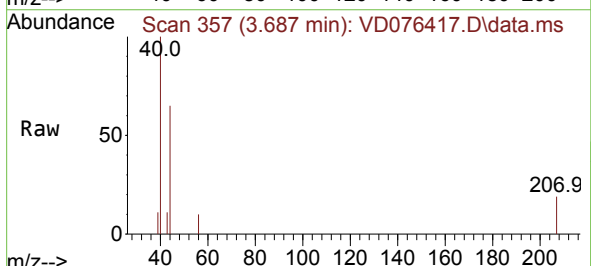
Acq: 14 Jun 2023 14:34

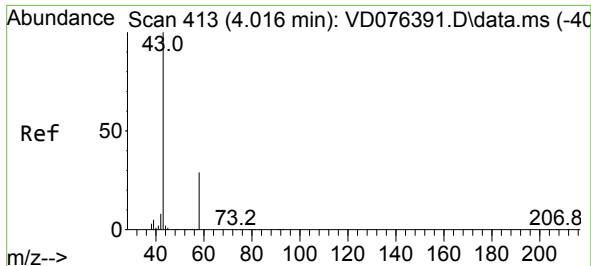
Tgt Ion: 56 Resp: 59

Ion Ratio Lower Upper

56 100

55 111.9 55.1 82.7#

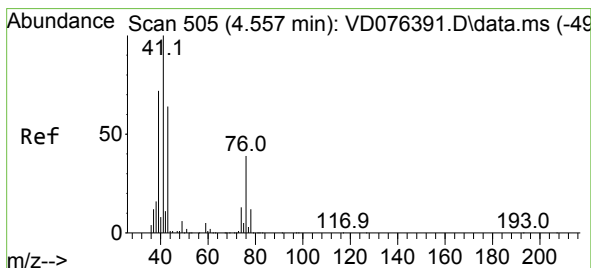
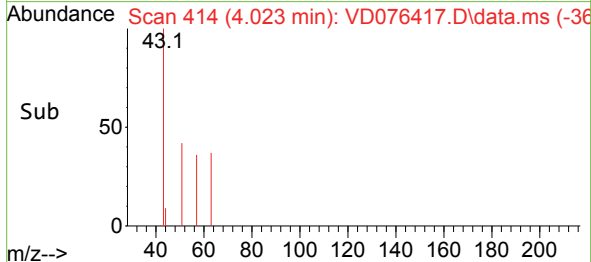
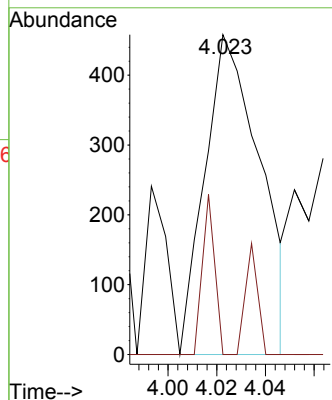
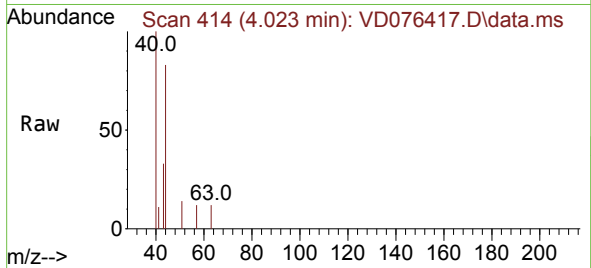




#16
Acetone
Concen: 7.289 ug/l
RT: 4.023 min Scan# 413
Delta R.T. 0.006 min
Lab File: VD076417.D
Acq: 14 Jun 2023 14:34

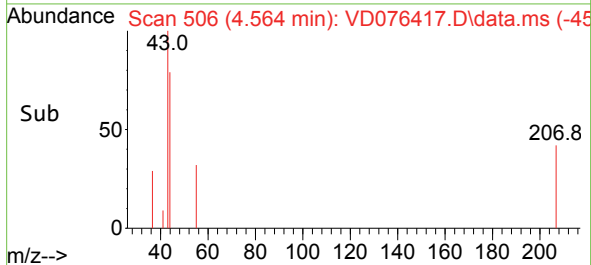
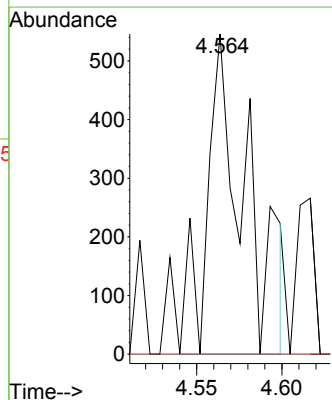
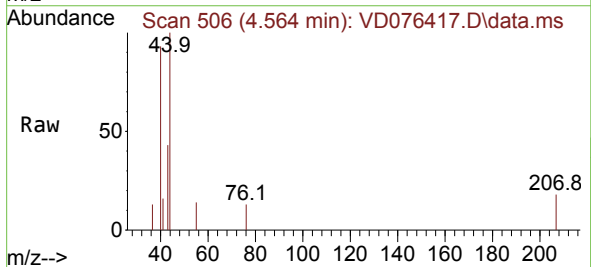
Instrument :
MSVOA_D
ClientSampleId :
VOC

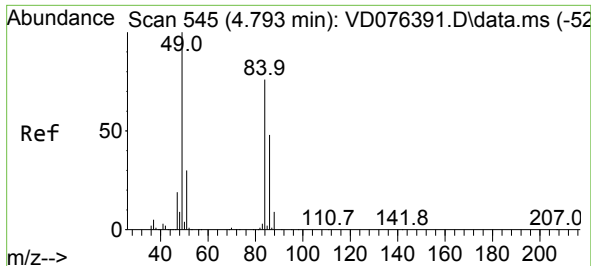
Tgt Ion: 43 Resp: 724
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#18
Methyl Acetate
Concen: 1.950 ug/l
RT: 4.564 min Scan# 506
Delta R.T. 0.007 min
Lab File: VD076417.D
Acq: 14 Jun 2023 14:34

Tgt Ion: 43 Resp: 883
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#

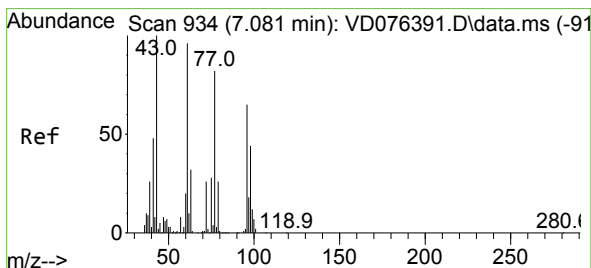
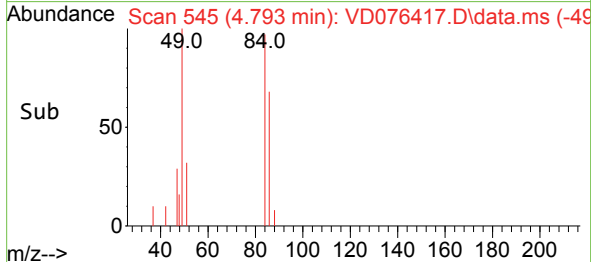
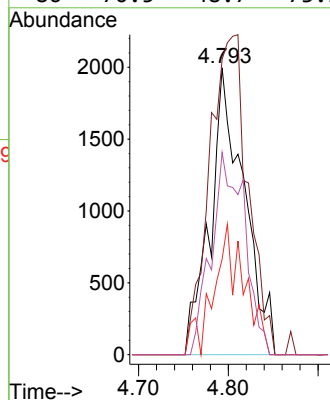
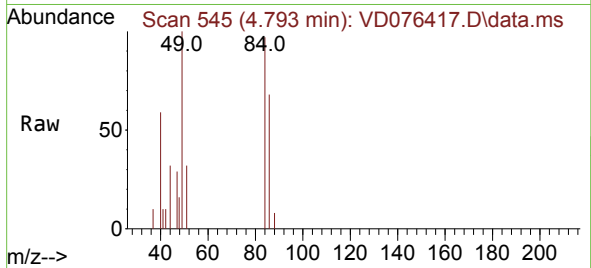




#20
Methylene Chloride
Concen: 4.595 ug/l
RT: 4.793 min Scan# 54
Delta R.T. 0.000 min
Lab File: VD076417.D
Acq: 14 Jun 2023 14:34

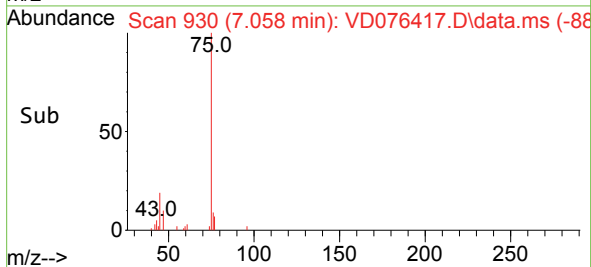
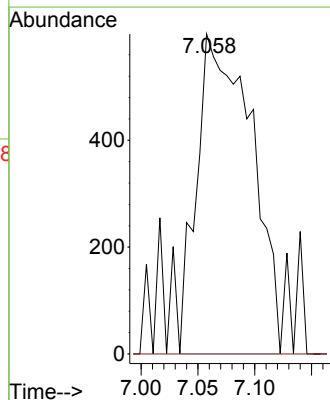
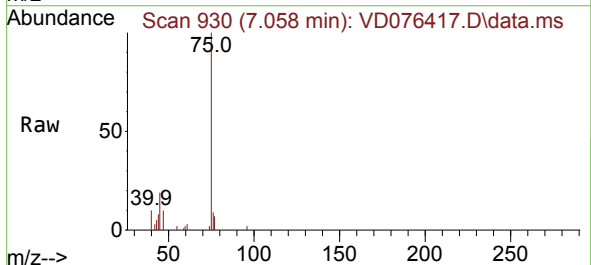
Instrument :
MSVOA_D
ClientSampleId :
VOC

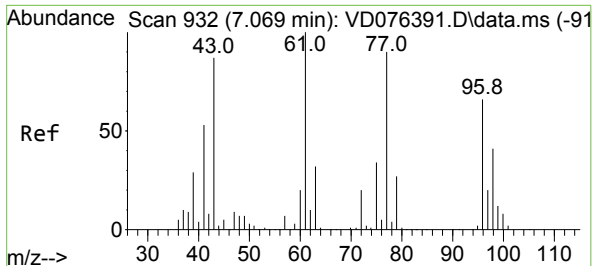
Tgt Ion:	84	Resp:	5226
Ion	Ratio	Lower	Upper
84	100		
49	103.0	71.4	107.2
51	33.3	24.5	36.7
86	70.5	48.7	73.1



#25
2-Butanone
Concen: 12.847 ug/l
RT: 7.058 min Scan# 930
Delta R.T. -0.023 min
Lab File: VD076417.D
Acq: 14 Jun 2023 14:34

Tgt Ion:	43	Resp:	1996
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#





#26

2,2-Dichloropropane

Concen: 1.143 ug/l

RT: 7.058 min Scan# 91

Delta R.T. -0.011 min

Lab File: VD076417.D

Acq: 14 Jun 2023 14:34

Instrument :

MSVOA_D

ClientSampleId :

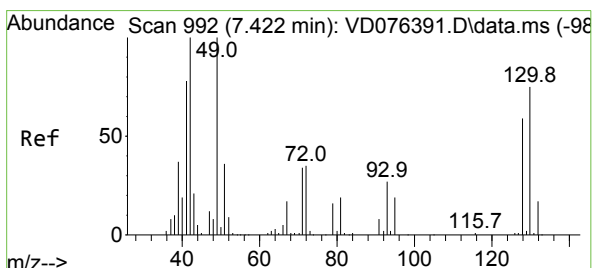
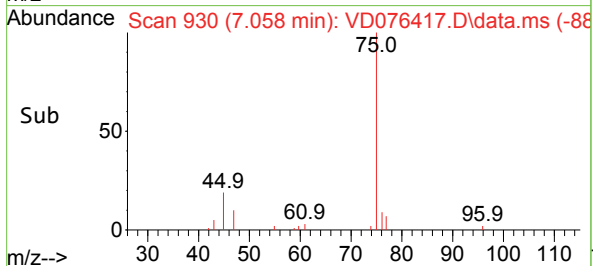
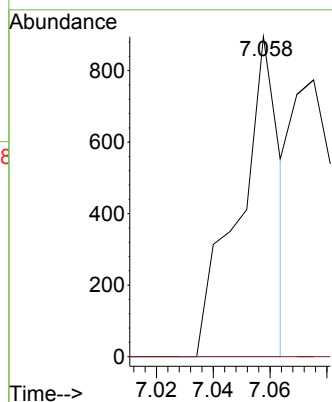
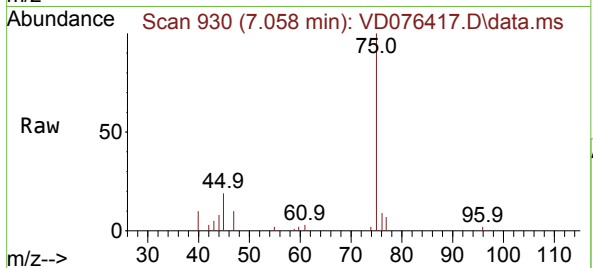
VOC

Tgt Ion: 77 Resp: 890

Ion Ratio Lower Upper

77 100

97 0.0 13.2 39.6#



#28

Bromochloromethane

Concen: Below Cal

RT: 7.575 min Scan# 1018

Delta R.T. 0.153 min

Lab File: VD076417.D

Acq: 14 Jun 2023 14:34

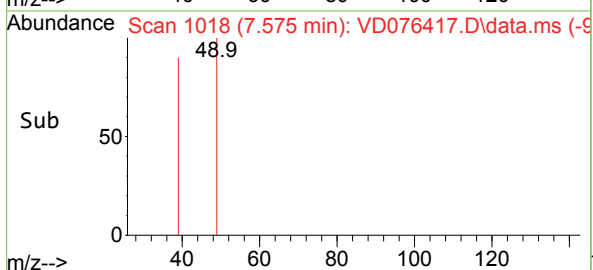
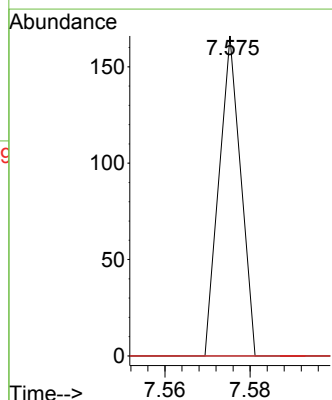
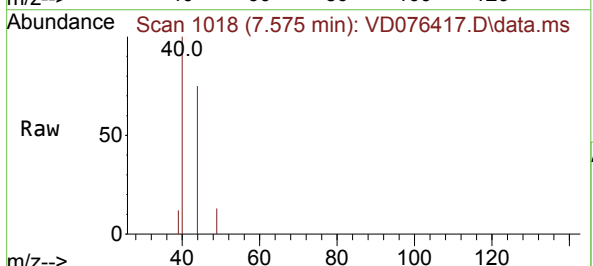
Tgt Ion: 49 Resp: 59

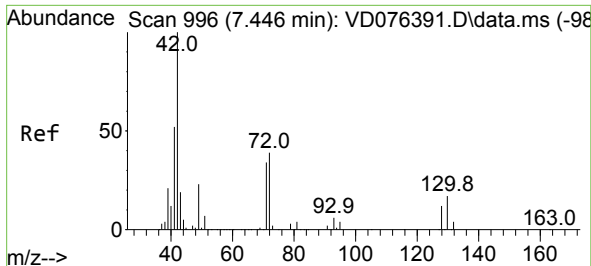
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 0.0 83.2 124.8#





#29

Tetrahydrofuran

Concen: 3.814 ug/l

RT: 7.458 min Scan# 996

Delta R.T. 0.012 min

Lab File: VD076417.D

Acq: 14 Jun 2023 14:34

Instrument :

MSVOA_D

ClientSampleId :

VOC

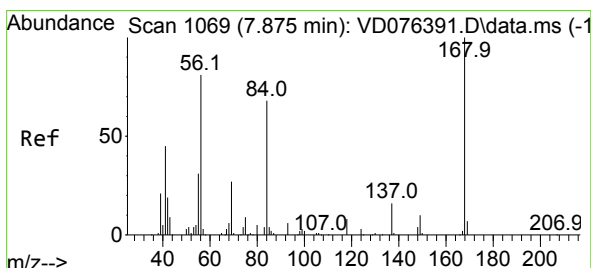
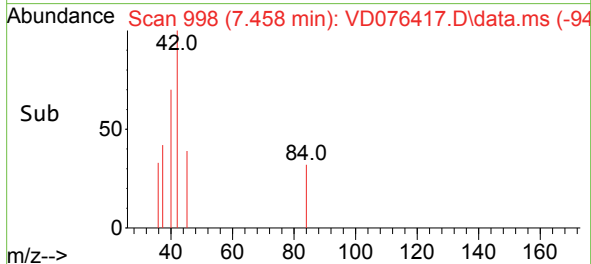
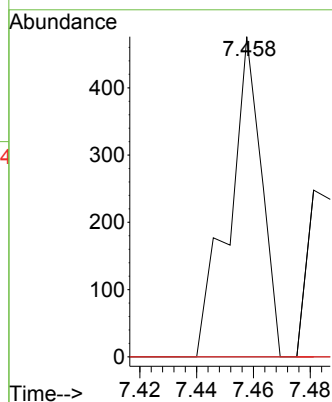
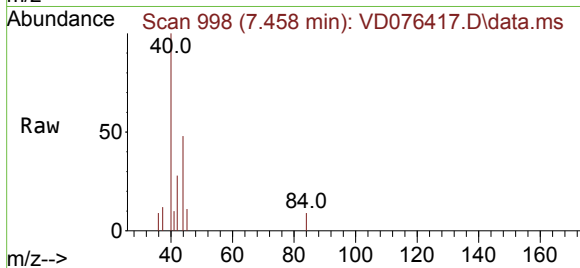
Tgt Ion: 42 Resp: 378

Ion Ratio Lower Upper

42 100

72 0.0 46.5 69.7#

71 0.0 44.5 66.7#



#31

Cyclohexane

Concen: 1.093 ug/l

RT: 7.864 min Scan# 1067

Delta R.T. -0.011 min

Lab File: VD076417.D

Acq: 14 Jun 2023 14:34

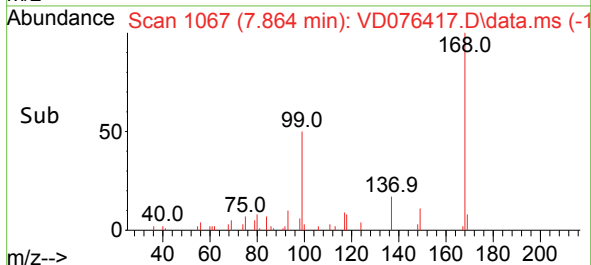
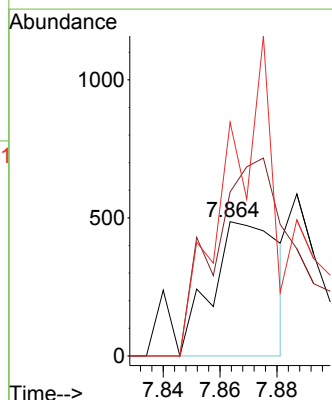
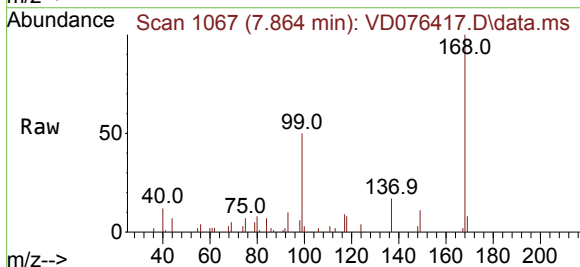
Tgt Ion: 56 Resp: 790

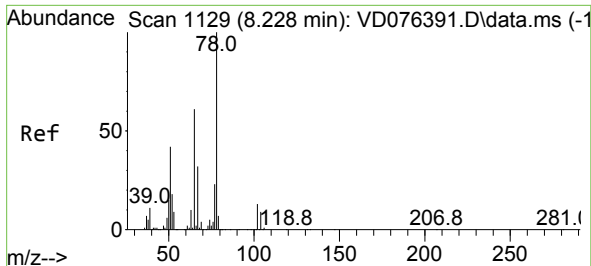
Ion Ratio Lower Upper

56 100

69 122.2 28.6 43.0#

84 174.1 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 95.782 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076417.D

Acq: 14 Jun 2023 14:34

Instrument :

MSVOA_D

ClientSampleId :

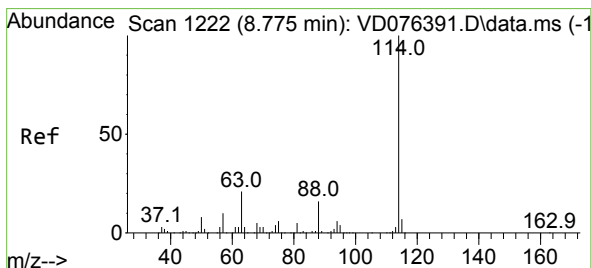
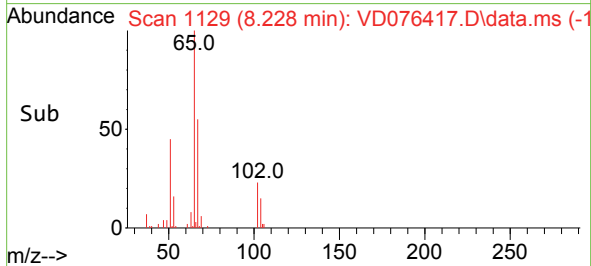
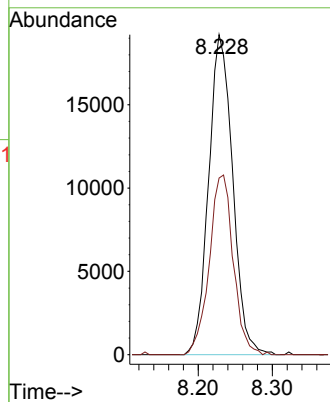
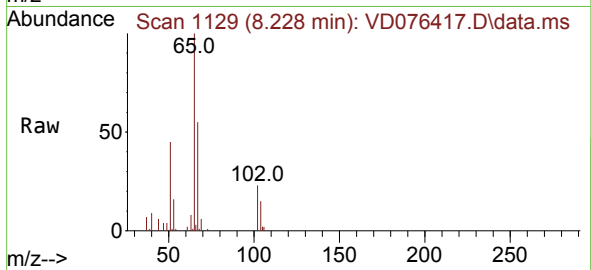
VOC

Tgt Ion: 65 Resp: 43280

Ion Ratio Lower Upper

65 100

67 55.9 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076417.D

Acq: 14 Jun 2023 14:34

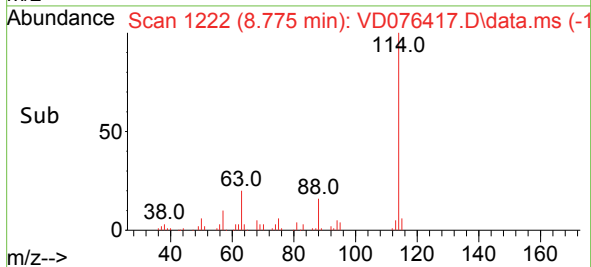
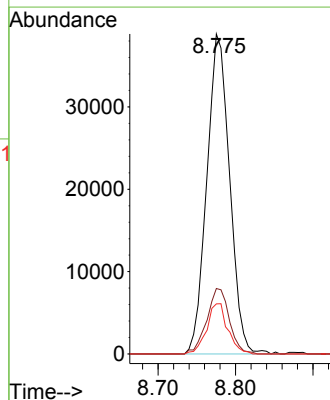
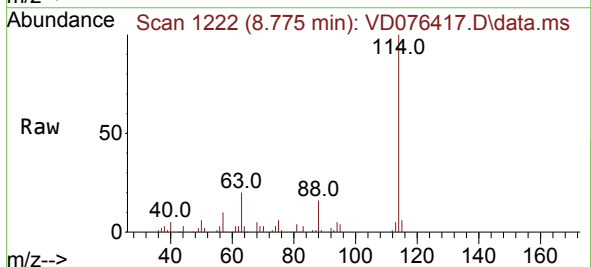
Tgt Ion: 114 Resp: 79659

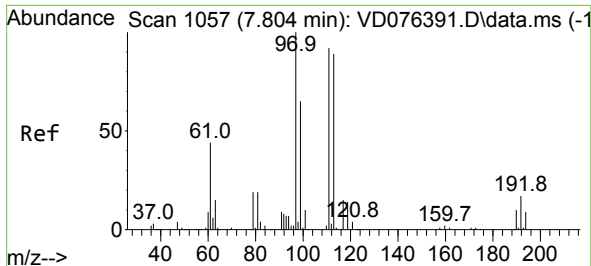
Ion Ratio Lower Upper

114 100

63 20.5 0.0 33.4

88 15.7 0.0 26.2





#35

Dibromofluoromethane

Concen: 83.876 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD076417.D

Acq: 14 Jun 2023 14:34

Instrument :

MSVOA_D

ClientSampleId :

VOC

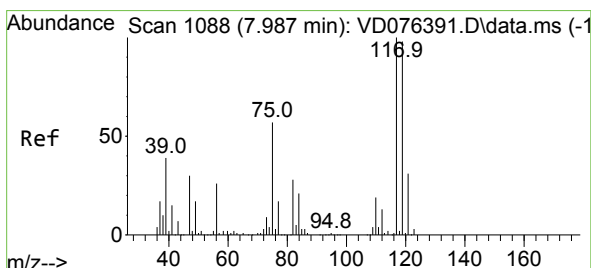
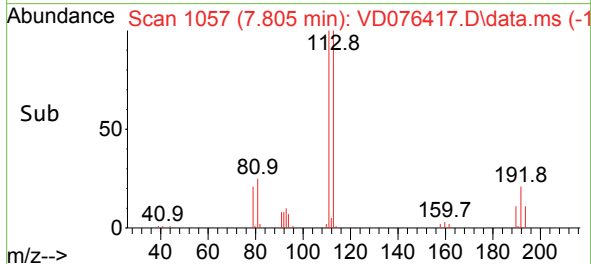
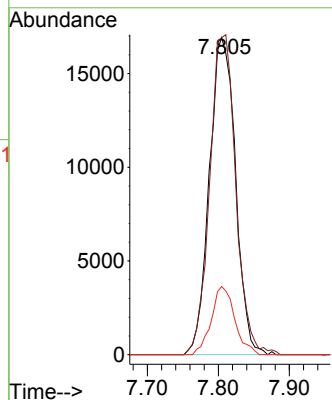
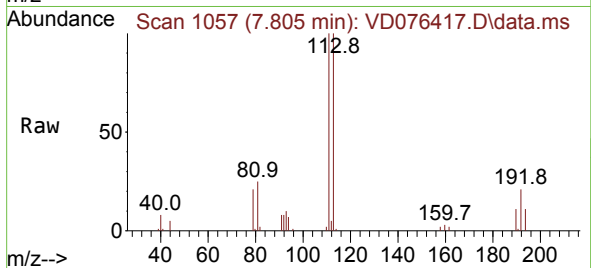
Tgt Ion:113 Resp: 43183

Ion Ratio Lower Upper

113 100

111 100.7 84.7 127.1

192 19.4 16.8 25.2



#38

Carbon Tetrachloride

Concen: 5.186 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.111 min

Lab File: VD076417.D

Acq: 14 Jun 2023 14:34

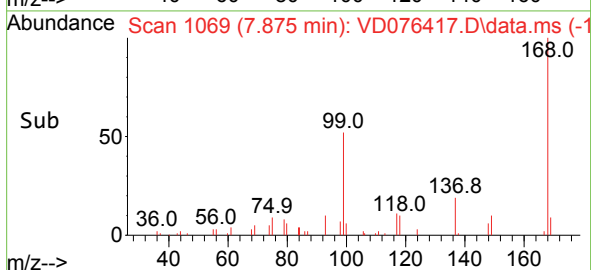
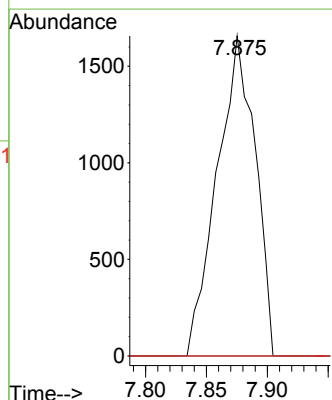
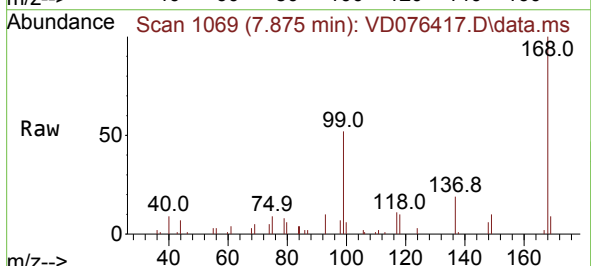
Tgt Ion:117 Resp: 3618

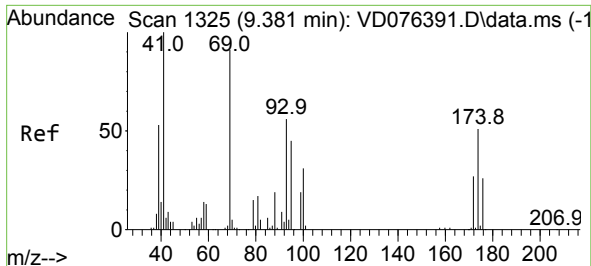
Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 15.519 ug/l

RT: 9.187 min Scan# 1292

Delta R.T. -0.194 min

Lab File: VD076417.D

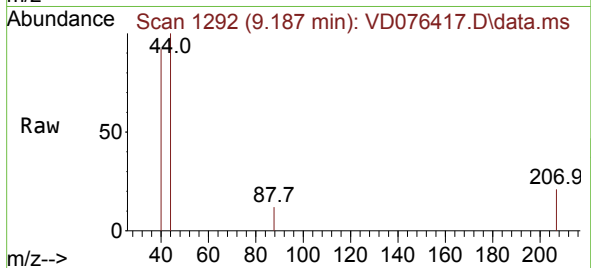
Acq: 14 Jun 2023 14:34

Instrument :

MSVOA_D

ClientSampleId :

VOC



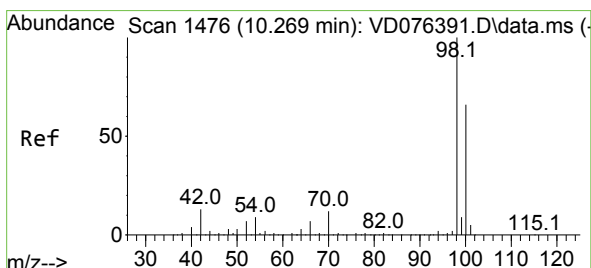
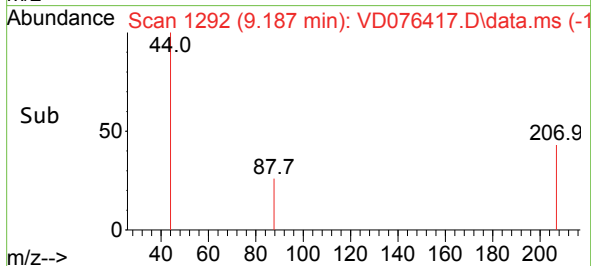
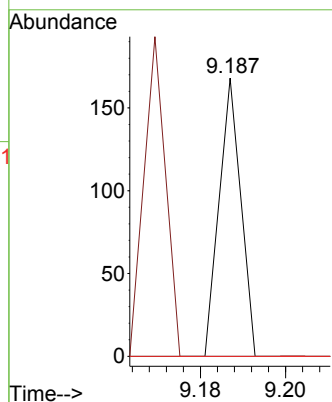
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 45.704 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076417.D

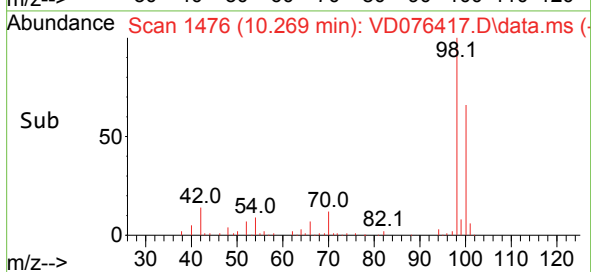
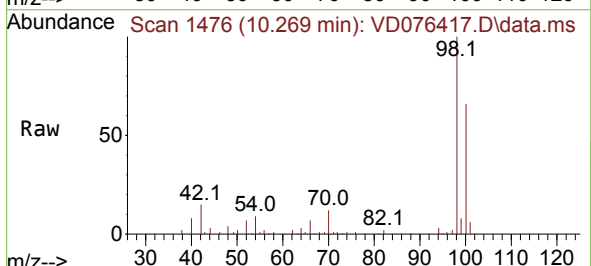
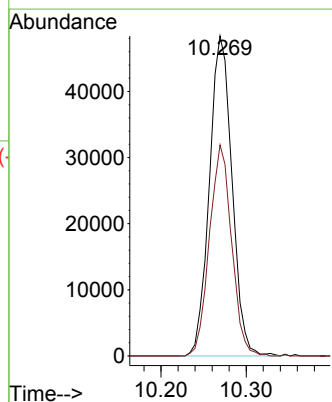
Acq: 14 Jun 2023 14:34

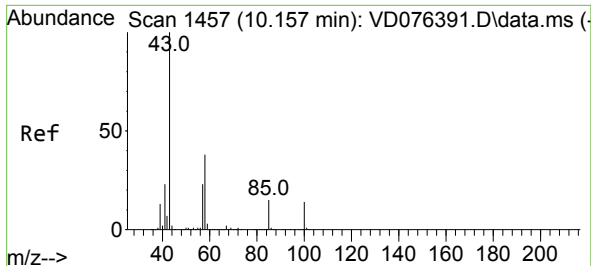
Tgt Ion: 98 Resp: 89172

Ion Ratio Lower Upper

98 100

100 64.6 50.3 75.5

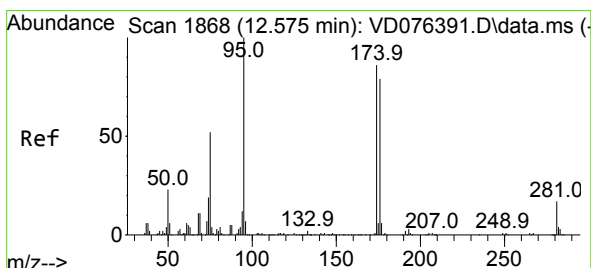
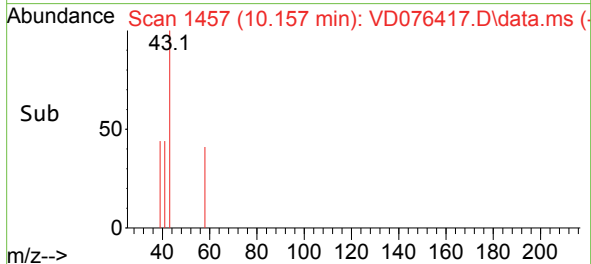
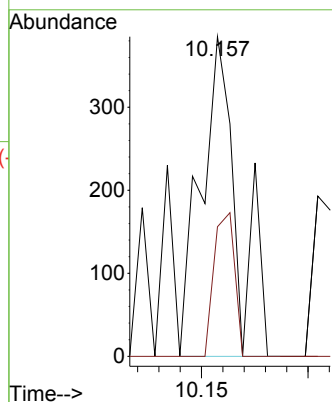
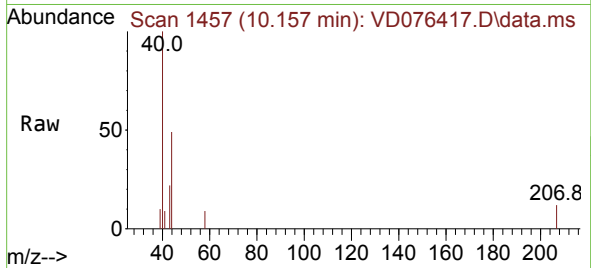




#51
4-Methyl-2-Pentanone
Concen: 1.113 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD076417.D
Acq: 14 Jun 2023 14:34

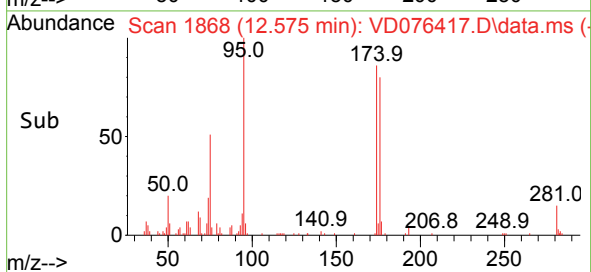
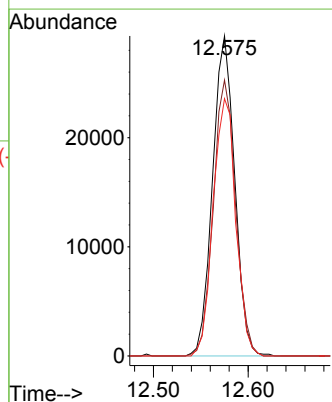
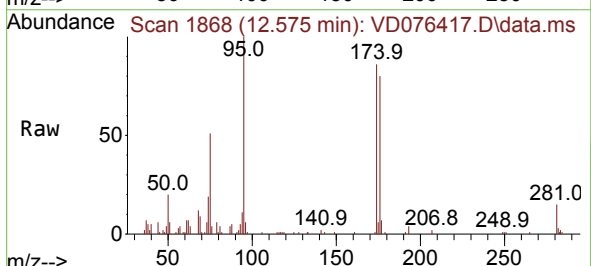
Instrument :
MSVOA_D
ClientSampleId :
VOC

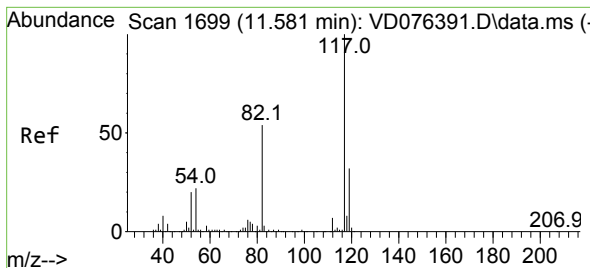
Tgt Ion: 43 Resp: 458
Ion Ratio Lower Upper
43 100
58 25.3 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 71.082 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076417.D
Acq: 14 Jun 2023 14:34

Tgt Ion: 95 Resp: 47577
Ion Ratio Lower Upper
95 100
174 87.0 0.0 201.8
176 82.7 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076417.D

Acq: 14 Jun 2023 14:34

Instrument :

MSVOA_D

ClientSampleId :

VOC

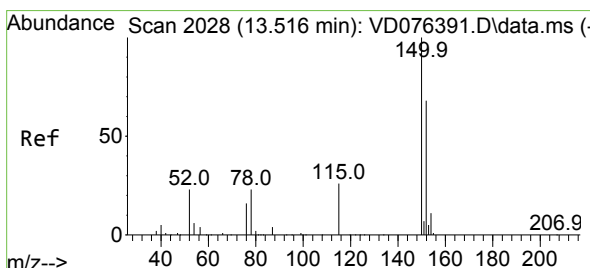
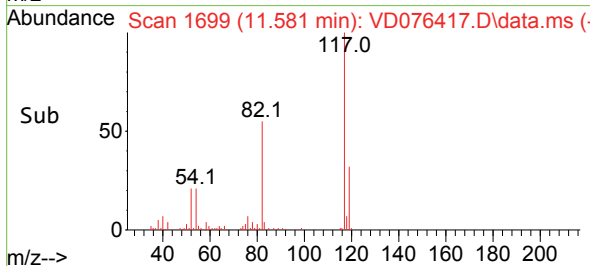
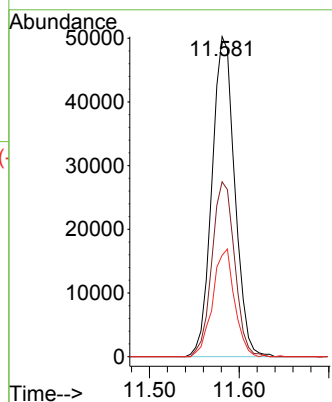
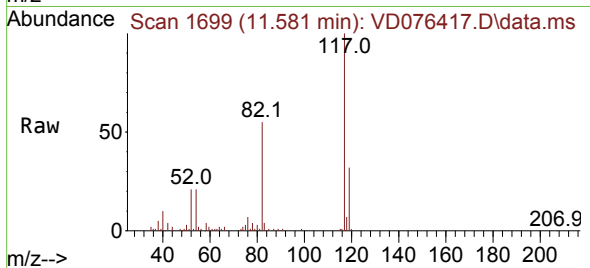
Tgt Ion:117 Resp: 88555

Ion Ratio Lower Upper

117 100

82 54.6 38.3 57.5

119 31.7 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.006 min

Lab File: VD076417.D

Acq: 14 Jun 2023 14:34

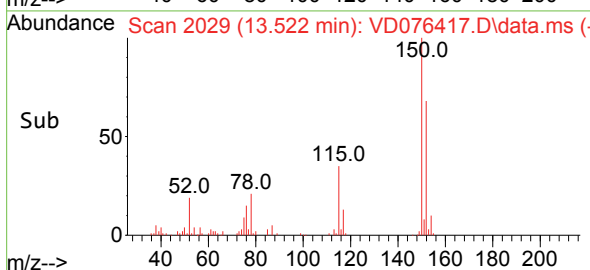
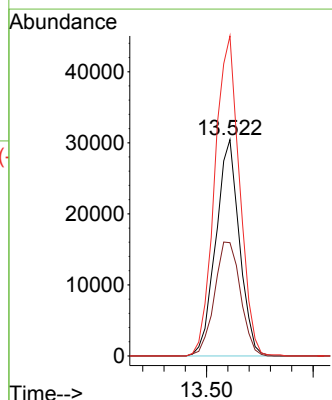
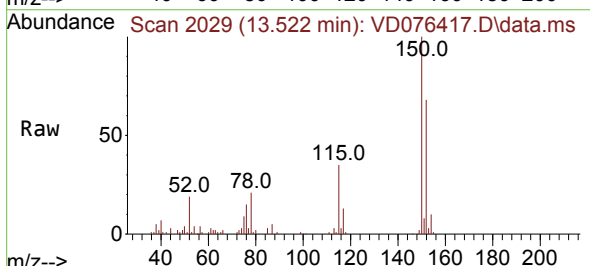
Tgt Ion:152 Resp: 46713

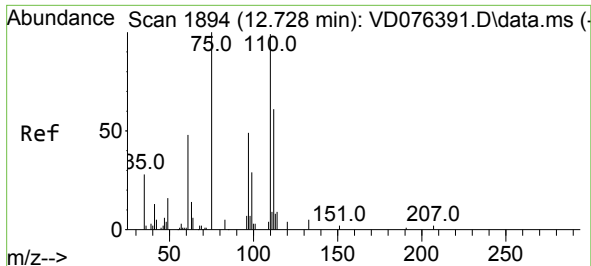
Ion Ratio Lower Upper

152 100

115 58.0 27.1 81.3

150 155.6 0.0 353.6

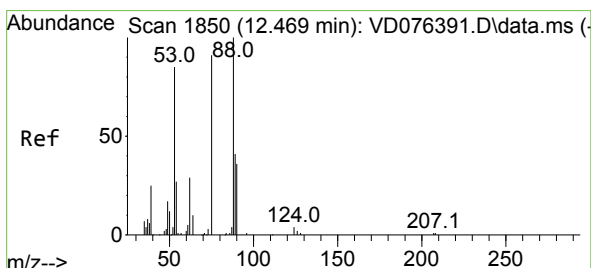
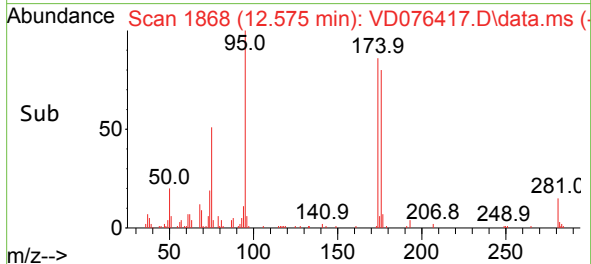
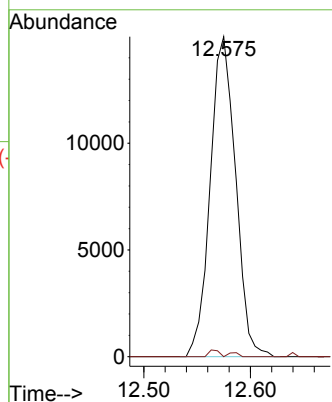
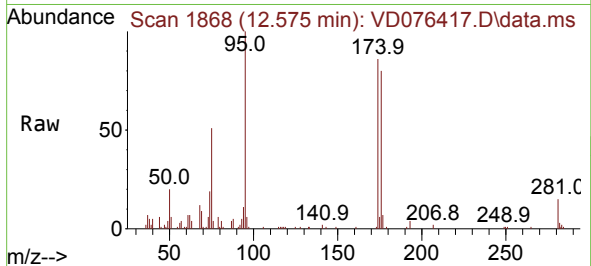




#76
1,2,3-Trichloropropane
Concen: 56.784 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076417.D
Acq: 14 Jun 2023 14:34

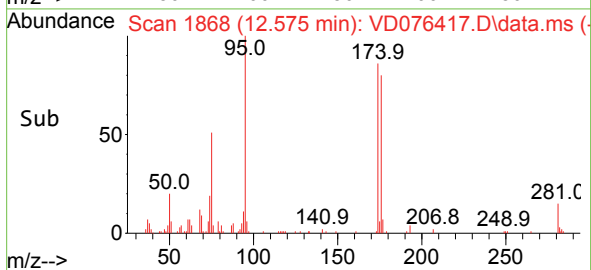
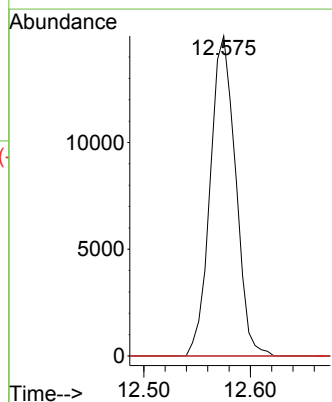
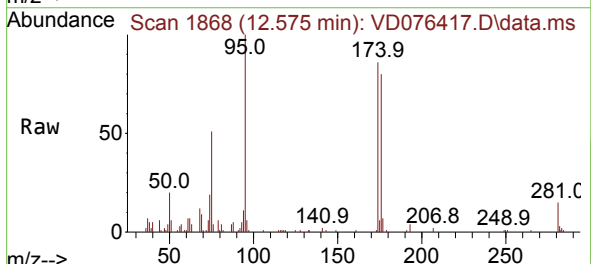
Instrument :
MSVOA_D
ClientSampleId :
VOC

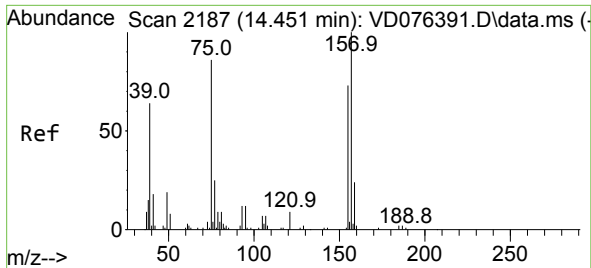
Tgt Ion: 75 Resp: 24798
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.668 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076417.D
Acq: 14 Jun 2023 14:34

Tgt Ion: 75 Resp: 24798
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.091 ug/l
 RT: 14.310 min Scan# 21
 Delta R.T. -0.141 min
 Lab File: VD076417.D
 Acq: 14 Jun 2023 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Tgt Ion: 75	Resp:	125
Ion Ratio	Lower	Upper
75	100	
155	0.0	47.9 143.8#
157	0.0	59.9 179.7#

